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Veneer-Log Production and Consumption in the Central States 1960

Joseph J. Mendel
David A. Gansner

Central States Forest Experiment Station — U. S. Forest Service
Technical Paper 189, May 1962

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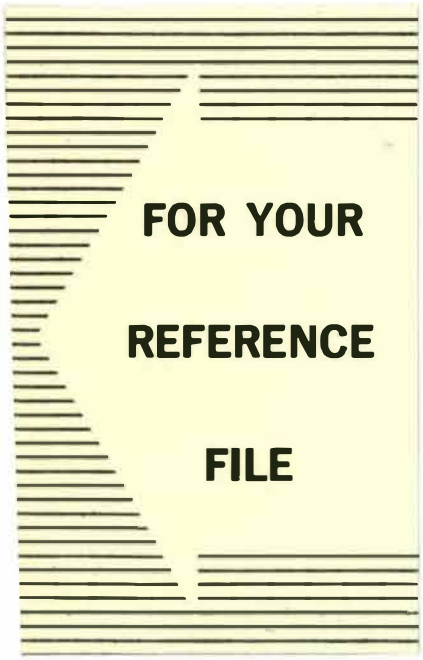
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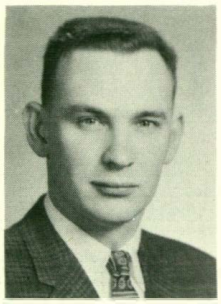
THE AUTHORS

JOSEPH J. MENDEL began his Forest Service career in 1946 on the Forest Survey of the northeastern states. After 6 years of aerial photo interpretation and field work he was transferred to Washington, D. C. on a special photo interpretation project conducted in cooperation with the U. S. Air Force. Changing assignment but not location in 1957, Mendel worked as an analyst in Foreign Forestry until 1958 when he came to the Central States Station as Forest Survey Representative. Recently he took over the Station's research in production economics. A native of Wisconsin, Joe received his B. S. in forestry at the University of Michigan. In addition, he did some graduate work in forestry and engineering at the Universities of Michigan and Cincinnati.



DAVID A. GANSNER began his Forest Service career in 1958 at the Lake States Forest Experiment Station. He worked for three years on the Forest Survey in Missouri and Minnesota. In 1961 he moved to the Central States Station and his present job as Forest Survey Representative. A native of Missouri, Dave received his degree in forestry from the University of Missouri. He is a member of the Society of American Foresters and Xi Sigma Pi (honorary forestry society).

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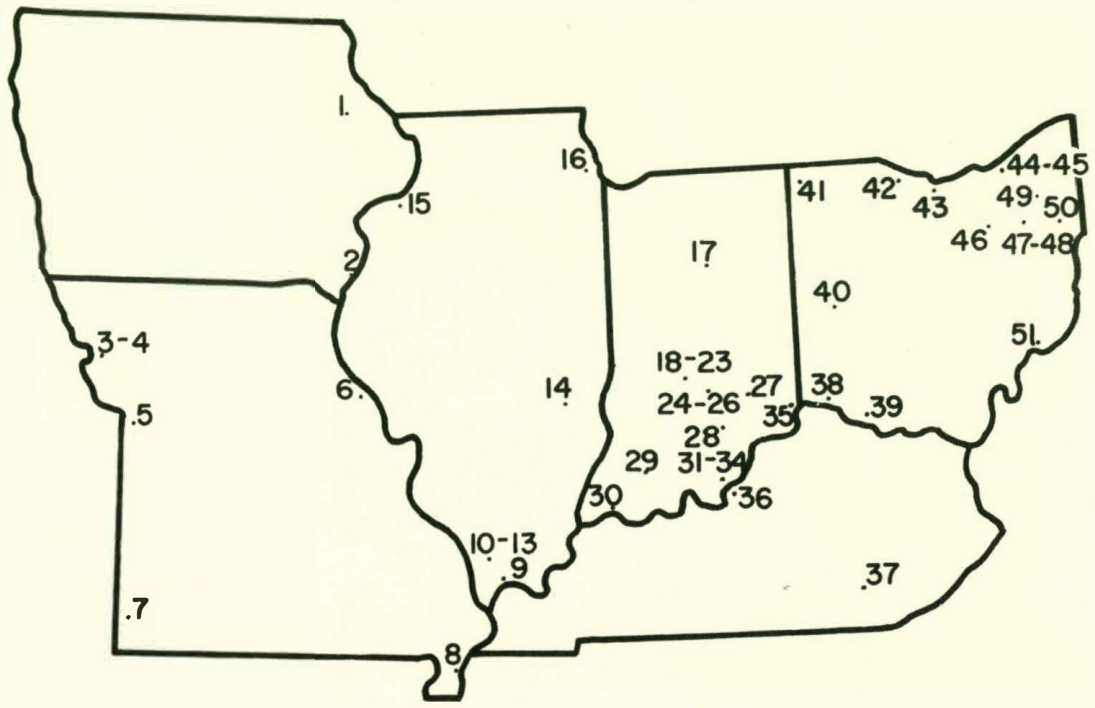
Veneer-log purchasers in the Central States.



NUMBER	MILL AND LOCATION
	Iowa
1	Manchester Industries, Inc., Manchester
2	Burlington Basket Co., Burlington
	Missouri
3	*Iowa-Missouri Walnut Co., St. Joseph
4	Letts Box & Mfg. Co., Inc., St. Joseph
5	Enterprise Veneer Corp., Kansas City
6	La-Mo Veneers, Inc., Louisiana
7	Price Box & Basket Co., Neoshomo
8	Betz-Tipton Veneer Co., Caruthersville
	Illinois
9	Main Bros. Box & Basket Co., Karnak
10	Dongola Veneer Co., Dongola
11	H. A. DuBois & Sons, Inc., Cobden
12	Fruit Growers Package Co., Jonesboro
13	Lawrence Box & Basket Co., Cobden
14	Newton Box & Basket Co., Newton
15	Swords-Morton Veneer & Lumber Co., Rock Island
16	R. S. Bacon Veneer Co., Chicago
	Indiana
17	W. C. Redman, Sons & Co., Peru
18	Central Veneer Co., Indianapolis
19	Curry-Miller Veneers, Inc., Indianapolis
20	Indiana Veneers, Inc., Indianapolis
21	P. Simmons Timber & Veneer Co., Indianapolis
22	Thiesing Veneer Co., Indianapolis
23	Hoosier Veneer Co., Indianapolis
24	Amos-Thompson Corp., Edinburg
25	Hill Bros. Veneer Corp., Edinburg

NUMBER	MILL AND LOCATION
	Indiana (con.)
26	David R. Webb Co., Inc., Edinburg
27	Mitchell Veneer Corp., Greensburg
28	National Veneer & Lumber Co., Seymour
29	Jasper Veneer Mills, Jasper
30	Evansville Veneer & Lumber Co., Evansville
31	B. L. Curry & Sons, Inc., New Albany
32	New Albany Box & Basket Co., New Albany
33	Roberts & Strack Veneer Co., Inc., New Albany
34	Chester B. Stem, Inc., New Albany
35	*Pierson-Hollowell Co., Inc., Lawrenceburg
	Kentucky
36	Wood-Mosaic Corp., Louisville
37	Cumberland Forest Products, London
	Ohio
38	Cincinnati Veneer Co., Cincinnati
39	Talbert Lumber & Veneer Co., Sardina
40	Hartzell Industries, Inc., Piqua
41	Edon Manufacturing Co., Edon
42	Ottawa Basket Co., Elmore
43	The Berlin Fruit Box Co., Berlin Heights
44	The Henry Prasse Co., South Euclid
45	The Rocky River Basket Co., Rocky River
46	McIntire Basket Co., Creston
47	Asplin Basket Co., Hartville
48	Asplin Basket Co., Hartville
49	R. W. Sufficool & Son Basket Co., Wayland
50	DeCort Basket Factory, Salem
51	Marietta Fruit Package Co., Marietta

*Firms purchasing logs for export or resale only; all other firms maintain veneer mill facilities.

Veneer-Log Production and Consumption in the Central States 1960

Joseph J. Mendel
David A. Gansner

Veneer-log production in the Central States amounted to more than 59 million board feet in 1960, a 12 percent increase over 1958. Mill consumption of veneer logs in the region rose correspondingly, amounting to nearly 60 million board feet, a 10 percent increase over 1958. This information was derived from our third biennial canvass of the veneer industry.

Indiana Leading Producer

More than one-fifth of the total 1960 production was cut from Indiana forests, making that State the leading producer. Illinois and Ohio were close contenders; the three states together accounted for 60 percent of the total production (table 1).

Kentucky, which led in 1956 and 1958, dropped 33 percent and now ranks fourth. Missouri and Iowa combined again accounted for more than one-fourth of the total production. Except for Kentucky, all states increased production over 1958.

Table 1. — *Veneer-log production in the Cent*

Source	Destination	Volume in 1,000 board f							
		Red oak	White oak	Hick-ory	Syca-more	Elm	Gum	Yellow-poplar	n
Ohio	Ohio	16	39	112	359	1,251	102	330	
	Other CS	534	1,276	2	--	--	--	253	
	Outside CS	165	--	--	--	--	--	55	
	Total	715	1,315	114	359	1,251	102	638	1
Indiana	Indiana	276	1,180	77	671	--	149	628	
	Other CS	--	--	--	110	--	--	--	
	Outside CS	--	--	--	--	--	--	--	
	Total	276	1,180	77	781	--	149	628	
Illinois	Illinois	--	38	--	529	38	101	99	
	Other CS	168	89	50	214	231	165	341	
	Outside CS	166	43	--	149	213	39	131	
	Total	334	170	50	892	482	305	571	
Kentucky	Kentucky	299	58	--	22	--	22	161	
	Other CS	214	555	72	50	7	907	1,045	
	Outside CS	--	--	5	229	8	885	578	
	Total	513	613	77	301	15	1,814	1,784	
Missouri	Missouri	--	--	--	609	357	--	357	
	Other CS	3	112	--	42	43	42	53	
	Outside CS	--	--	--	178	--	23	1	
	Total	3	112	--	829	400	65	411	
Iowa	Iowa	185	15	--	--	86	--	--	
	Other CS	19	18	--	--	165	--	--	
	Outside CS	715	78	--	--	819	--	--	
	Total	919	111	--	--	1,070	--	--	
All CS	CS	1,714	3,380	313	2,606	2,178	1,488	3,267	2
	Outside CS	1,046	121	5	556	1,040	947	765	
	Total	2,760	3,501	318	3,162	3,218	2,435	4,032	2
Percent of total		4.7	5.9	0.5	5.4	5.4	4.1	6.8	
Percent change from 1958		-19.2	-51.3	-36.1	+94.1	+64.1	**+29.5**	+14.5	+

Black walnut, the principal veneer species harvested in the Central States, accounted for almost one-third the production. More than 18 million board feet of black walnut veneer logs were cut in 1960, an increase of almost 22 percent from 1958. The value of the black walnut stumpage harvested in 1960 is estimated at more than $3,700,000.[1] Cottonwood again

[1]Calculated on basis of $200 per 1,000 board feet, International ¼-inch rule.

al States by source, destination, and species, 1960.

eet, International 1/4-inch rule								Percent	Percent
lard maple	Soft maple	Cherry	Walnut	Beech	Cotton-wood	Other	Total	of total	change from 1958
812	357	1	791	1,046	221	119	5,556	9.4	+ 16.4
381	--	263	2,523	--	--	72	5,304	9.0	+ 85.8
--	--	--	55	--	--	--	275	.4	- 32.6
,193	357	264	3,369	1,046	221	191	11,135	18.8	+ 38.6
582	44	236	5,353	275	869	491	10,831	18.3	+ 22.0
57	--	--	318	--	1,100	--	1,585	2.7	+ 52.3
--	--	--	--	--	--	--	--	--	--
639	44	236	5,671	275	1,969	491	12,416	21.0	+ 25.2
--	71	--	281	--	4,499	67	5,723	9.7	+ 1.9
1	--	--	1,807	--	1,167	355	4,588	7.8	+ 51.4
22	255	--	--	--	276	155	1,449	2.4	+260.4
23	326	--	2,088	--	5,942	577	11,760	19.9	+ 29.9
17	--	51	1,011	--	--	27	1,668	2.8	- 58.0
49	33	57	989	--	220	201	4,399	7.5	- 11.3
84	--	--	--	--	140	37	1,966	3.3	- 38.0
150	33	108	2,000	--	360	265	8,033	13.6	- 33.6
--	--	22	254	--	1,701	362	3,662	6.2	- 31.8
--	43	3	2,020	--	552	42	2,955	5.0	+ 77.0
--	--	--	--	--	--	--	202	.3	+202.0
--	43	25	2,274	--	2,253	404	6,819	11.5	- 3.0
531	313	4	33	--	--	582	1,749	3.0	+ 1.6
15	--	42	3,105	--	--	127	3,491	5.9	- 8.1
38	509	--	--	--	1,040	510	3,709	6.3	+304.9
584	822	46	3,138	--	1,040	1,219	8,949	15.2	+ 39.0
,445	861	679	18,485	1,321	10,329	2,445	51,511	87.1	+ 8.0
144	764	--	55	--	1,456	702	7,601	12.9	+ 55.3
,589	1,625	679	18,540	1,321	11,785	3,147	59,112	100.0	+ 12.4
4.4	2.8	1.2	31.4	2.2	19.9	5.3	100.0		
24.4	+75.1	+79.6	+21.6	+59.5	+16.2	-34.0	+12.4		

ranked second in volume produced, accounting for almost 12 million board feet, one-fifth of the total production. Other leading species, in order of volume produced, were yellow-poplar, white oak, elm, and sycamore, each accounting for between 3 and 4 million board feet. These six species made up almost 75 percent of the total production.

Indiana was the largest producer of veneer logs utilized in the manufacture of face veneer, while Illinois was the largest producer of logs for container veneer.

Indiana Primary Consumer

Indiana, with 19 firms purchasing veneer logs, remained the primary consumer of veneer logs in the Central States, accounting for more than half the total consumption (table 2). Illinois and Ohio were next with 16 and 11 percent. Kentucky consumption, nearly 5 percent of the total, was less than half that of 1958. Missouri and Iowa combined accounted for almost 14 percent of the consumption, a decrease of almost 2 percent from 1958.

Approximately 60 percent of the 60 million board feet consumed was manufactured into high-quality face veneer. The remaining 40 percent was utilized for container veneer.

Most of the 24 face veneer mills of the region are located in Indiana, whereas most of the 25 container veneer mills are located in Illinois and Ohio.

Table 2. — *Veneer logs consumed at Central States mills in 1960.*

	Volume consumed - 1,000 board feet[1]						Percent of total	Percent change from 1958
	Ohio	Indiana	Illinois	Kentucky	Missouri & Iowa[2]	Total		
Source								
Ohio	5,556	4,821	--	483	--	10,860	18.2	+ 42.4
Indiana	209	10,831	1,302	74	--	12,416	20.8	+ 25.2
Illinois	--	2,351	5,723	192	2,045	10,311	17.2	+ 19.2
Kentucky	--	4,263	82	1,668	54	6,067	10.1	- 32.1
Missouri	109	1,856	990	--	3,662	6,617	11.1	- 5.9
Iowa	108	2,071	1,262	--	1,799	5,240	8.8	- 5.1
Imported[3]	757	6,131	323	435	597	8,244	13.8	+ 30.2
Total	6,739	32,324[4]	9,683	2,852	8,157[4]	59,755	100.0	+ 10.6
Percent of total	11.3	54.1	16.2	4.8	13.6	100.0		
Percent change from 1958	+10.7	+29.3	+16.6	-54.9	-1.8	+10.6		
Species								
Red oak	17	1,190	36	658	185	2,086	3.5	+ 15.3
White oak	38	3,534	81	286	15	3,954	6.6	- 39.3
Hickory	118	201	--	--	--	319	.5	- 35.7
Sycamore	364	715	681	22	854	2,636	4.4	+ 74.1
Elm	1,251	72	174	--	708	2,205	3.7	+ 33.2
Gum	102	1,227	144	32	--	1,505	2.5	+ 29.0
Yellow-poplar	352	2,094	141	162	623	3,372	5.7	+ 19.2
Hard maple	1,225	2,339	--	19	530	4,113	6.9	+ 58.7
Soft maple	357	77	114	--	313	861	1.4	+ 29.7
Cherry	1	3,181	79	168	81	3,510	5.9	+198.5
Walnut[4]	1,525	15,005	1,643	1,445	469	20,087	33.6	+ 14.5
Beech	1,046	275	--	--	--	1,321	2.2	+ 59.5
Cottonwood	221	990	6,233	--	3,172	10,616	17.8	+ 2.0
Other	122	1,424	357	60	1,207	3,170	5.3	- 34.2
Total	6,739	32,324	9,683	2,852	8,157	59,755	100.0	+ 10.6

1/ International 1/4-inch rule.
2/ Combined to avoid disclosure of individual mill data.
3/ Logs harvested outside Central States.
4/ One out of nineteen Indiana firms purchasing veneer logs and one out of six Missouri firms did not maintain mills; most of their purchases were exported to foreign countries and were largely walnut.

Imports Exceed Exports

Imports and exports totaled almost 16 million board feet, a 41 percent increase from 1958. Imports exceeded exports by 643 thousand board feet.

More than 8 million board feet, approximately 14 percent of the total 1960 veneer consumption, were imported from other states and from foreign countries. Pennsylvania and Michigan, again the largest suppliers, each provided more than 2 million board feet. Other important suppliers were Tennessee, Minnesota, and West Virginia. Indiana received almost 75 percent of the imports.

Cherry, hard maple, and black walnut comprised 75 percent of imports. Cherry alone accounted for over one-third of the total, hard maple and black walnut each for one-fifth.

Exports of veneer logs to states outside the region amounted to almost 8 million board feet. This was an increase of more than 50 percent since 1958, and represents about 13 percent of 1960 production. An undetermined quantity is exported from the Central States to foreign countries. Missouri and Iowa combined produced about half the material exported outside the region. Wisconsin received most of these outgoing shipments. Other states receiving Central States veneer logs were Tennessee and West Virginia. Cottonwood, elm, and red oak were the principal species exported, accounting for about half the total.

Veneer-Log Movement in the Central States

Veneer logs, because of their high value, can be transported farther before manufacturing than most other forest products. Extent of the veneer log movement, however, is known for the first time through the canvass for 1960 (figs. 1 and 2).

Indiana with 19 veneer mills consumed most of its own production (87 percent), yet needed to import nearly two-thirds of its consumption, more than any other state. Kentucky and Iowa, each with only two veneer mills, exported about 80 percent of their 1960 production to other states. In Iowa, however, the 20 percent of the production retained constituted 100 percent of consumption, Iowa being the only state that did not import veneer logs.

Of the total 1960 production of more than 59 million board feet of veneer logs, approximately 49 percent was retained by producing states, 38 percent was shipped to other Central States, and 13 percent was shipped outside the region.

Figure 1. — *Veneer-log production retained (circled) and exported, by state.*

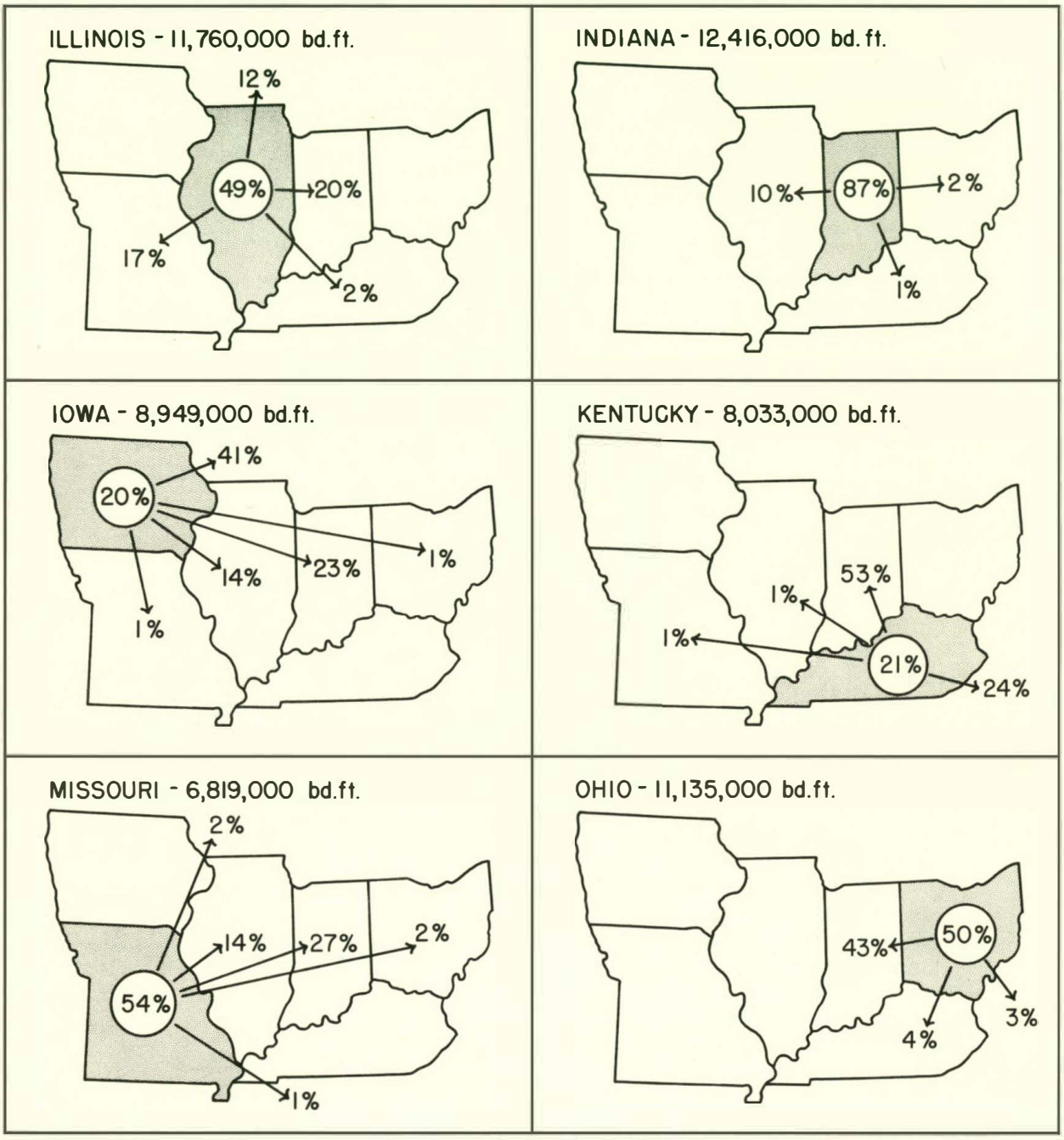
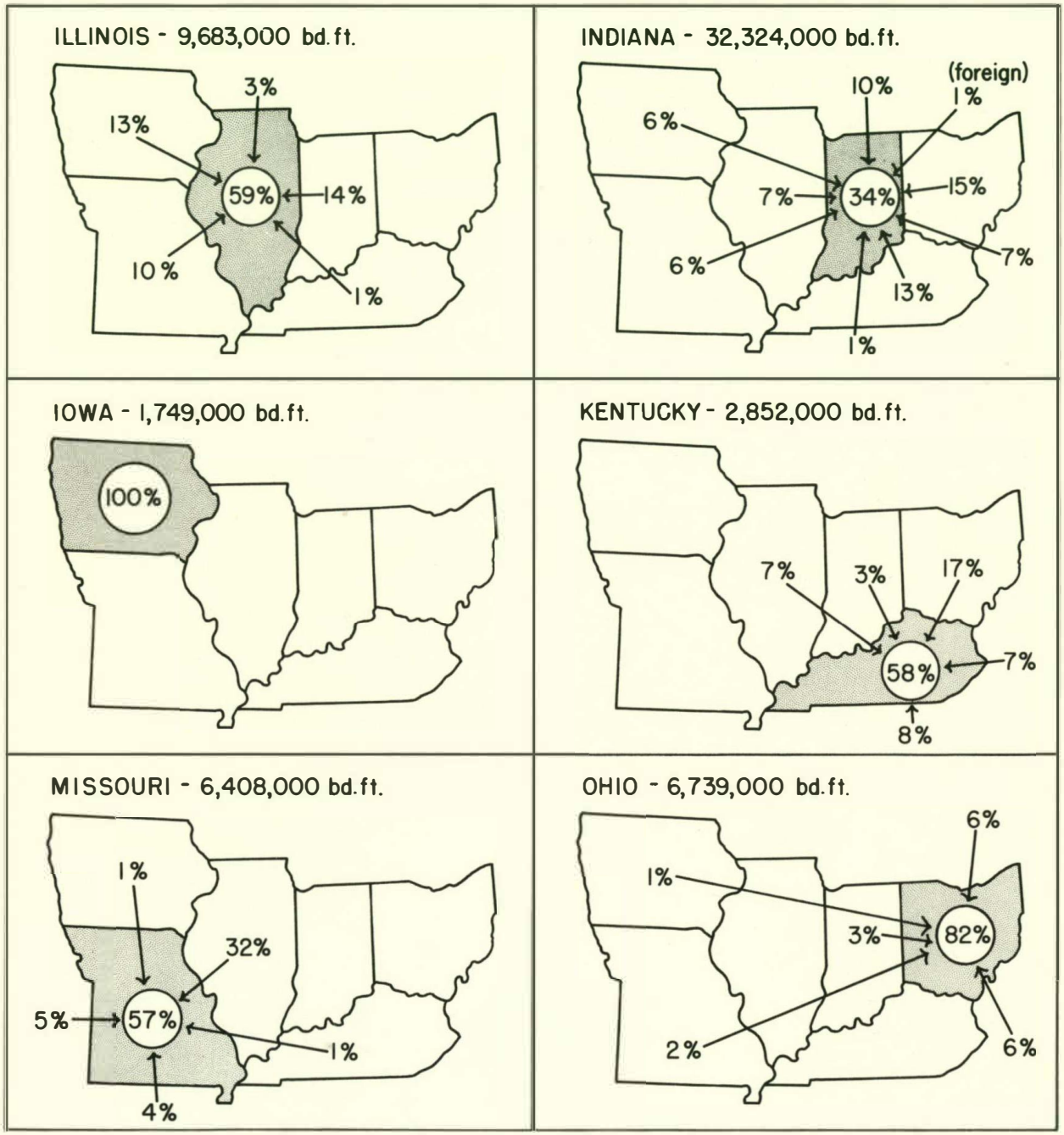


Figure 2. — *Consumption of veneer logs produced by state (circled) and imported.*



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